



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,676	01/29/2004	Gerhard Benning	2001P15983WOUS	5989
7590 SIEMENS CORPORATION INTELLECTUAL PROPERTY DEPT. 170 WOOD AVENUE SOUTH ISELIN, NJ 08830			EXAMINER KHAN, IBRAHIM A	
			ART UNIT 2617	PAPER NUMBER

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	10/767,676	BENNING ET AL.
	Examiner	Art Unit
	Ibrahim A. Khan	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 29 January 2004.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-17 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 29 January 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement submitted on January 29, 2004 has been considered by the Examiner and made of record in the application file.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

3. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.

- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 6, 14 and 15 contain the trademark/trade name Bluetooth. Where a trademark or trade name is used in a claim as a limitation to identify or describe a particular material or product, the claim does not comply with the requirements of 35 U.S.C. 112, second paragraph. See *Ex parte Simpson*, 218 USPQ 1020 (Bd. App. 1982). The claim scope is uncertain since the trademark or trade name cannot be used properly to identify any particular material or product. A trademark or trade name is used to identify a source of goods, and not the goods themselves. Thus, a trademark or trade name does not identify or describe the goods associated with the trademark or trade name. In the present case, the trademark/trade name is used to identify/describe the IEEE standard 802.15.1 and, accordingly, the identification/description is indefinite.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1, 3, 4, 8, 9, 11, 15, 16, 18, 20, 21, 23 and 24 are rejected under 35 U.S.C. 102(e) as being anticipated by **Edwards et al. (GB 2366131 A)**.

Consider **claim 1**, discloses an arrangement for a wireless connection of terminal devices to a communication system (*abstract*), comprising;
a data packet network for the transmission of data packets using network addresses valid within the network (*see figure 2, page 3 lines 25-30, page 4 lines 3-13, page 6 lines 21-31, page 7 lines 29-30, page 12 lines 25-30* where Edwards discloses a Local Area Network LAN that provides a transport mechanism for voice, video and data signals between authorized terminals located within an area of interest.) ;

at least one transition device coupled to the data packet network to which at least one short-range radio module is coupled (*see figure 2, page 6 lines 21-31, page 7 lines 1-5* where Edward discloses Bluetooth module coupled to a gateway which in turn is coupled to a LAN) the transition device having a coupling table with terminal device addresses of terminal devices

located within the radio range of at least one short-range radio module (*see figure 2, page 6 lines 21-31, page 7 lines 9-17* where Edward discloses that the gateway establishes itself as a master station in its own piconet . Note that it is inherent according to the Bluetooth standard that a master station has a list of address of terminal device located within the radio range);

a server coupled to the data packet network for controlling connections to the terminal device the server having an allocation table in which a network address of a terminal to which transition device a short range radio module in whose radio range this terminal device is located is coupled (*see figure 2 item 30 and 34, page 8 lines 15-26* where Edward discloses a processing centre with a registry database containing the addresses and associated attributes of all terminal devices in the network),and

Edward also discloses an inherent packet-based alignment protocol for the dynamic alignment of the allocation table with the coupling table (*see page 8 lines 15-26 and page 9 lines 7-17* where Edward discloses that the processing center insures that connection requirements of the terminal devices).

Consider **claim 2** and as applied to claim 1 above, Edward discloses that the data packet network is realized by a network based on an Internet protocol (*figure 2 item 30, page line 28-31, page 9 lines 1-6*).

Consider **claim 3** and as applied to claim 1 above, Edward discloses that the transition device comprises a translator for translation between a network protocol used in the data packet

Art Unit: 2617

network and a protocol specific to a radio module (*see figure 2, page 3 lines 25-30, page 4 lines 3-13, page 6 lines 21-31, page 7 lines 29-30, page 12 lines 25-30*)

Consider **claim 4** and as applied to claim 3 above, that the translator comprises a detection device for detecting, by means of network protocol used, which terminal device-specific application a connection to a terminal device is allocated to, in order to be able to perform an application specific protocol conversion accordingly (*see page 3 lines 25-28, page 7 lines 9-17*. Note that it is inherent that translator must have a detection device because video, audio, and information data have different latency requirements and thus have different connection requirements).

Consider **claim 5** and as applied to claim 3 above, Edward discloses that the protocol specific to a radio module having a specific voice interface and a specific data interface (*see page 4 lines 3-13, page 9-17*. Note that voice and data have different latency requirements therefore it is inherent that they have separate interfaces).

Consider **claim 6** and as applied to claim 1 above, Edward discloses that a Bluetooth module is used as a short-range radio module (*see abstract, page 3 lines 17-31*).

Consider **claim 7** and as applied to claim 1 above, Edward discloses that a locating device uses the allocation table for determining a momentary location of a particular terminal (*see page 3 lines 25-31, page 8 lines 15-26*).

Consider **claim 8** and as applied to claim 1 above, Edward discloses that a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network (*see figure 2, abstract, page 6 lines 21-31*)

Consider **claim 9** and as applied to claim 1 above, Edward discloses a headset as a terminal device for voice connections (*see page 7 lines 1-9*).

Consider **claim 10** and as applied to claim 1 above, Edward discloses a PDA (Personal Digital Assistant) as a terminal device for data connections (*see page 7 lines 1-9*)

Consider **claim 11** and as applied to claim 1 above, Edward discloses a PDA (Personal Digital Assistance) as a terminal device for entering destination addresses for outgoing connections and for initiating those connections (*see page 7 lines 1-9*).

Consider **claim 12** and as applied to claim 2 above, Edward discloses that the transition device comprises a translator for translation between a network protocol used in the data packet network and a protocol specific to a radio module (*see figure 2, figure4, abstract, page 8 lines 27- 29*).

Consider **claim 13** and as applied to claim 4 above, Edward discloses that the protocol specific to a radio module having a specific voice interface and a specific data interface (*see*

page 4 lines 3-13, page 9-17. Note that voice and data have different latency requirements therefore it is inherent that they have separate interfaces).

Consider **claim 14** and as applied to claim 2 above, Edward discloses a Bluetooth module is used as a short-range radio module (*see abstract, page 3 lines 17-31*).

Consider **claim 15** and as applied to claim 3 above, Edward discloses a Bluetooth module is used as a short-range radio module (*see abstract, page 3 lines 17-31*).

Consider **claim 16** and as applied to claim 1 above, a locating device uses the allocation table for determining a momentary location of a particular terminal (*see page 3 lines 25-31, page 8 lines 15-26*).

Consider **claim 17** and as applied to claim 2 above, a gateway device is coupled to the data packet network for coupling the data packet network to a forwarding communication network (*see figure 2, abstract, page 6 lines 21-31*).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 20010030950
US 20030095524
US 6870830
US 20050089052

US 6650901
US 6853851

7. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Ibrahim A. Khan whose telephone number is (571) 270-1110. The Examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Nick Corsaro can be reached on (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

Art Unit: 2617

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Ibrahim A. Khan

I.A.K./iak

01/30/2007

Nick Corsaro
NICK CORSARO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600